

Datasheet for ABIN4930715

Human DCDC1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	DCDC1
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human DCDC1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1065 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGGCAAAA CAGGAGCAGA AGATCACAGA GAAGCACTAT CTCAGTCTTC CTTATCCCTC</p> <p>TTGACTGAAG CAATGGAAGT ATTACAGCAA AGTAGCCCTG AAGGCACTTT GGATGGGAAT</p> <p>ACTGTAAACC CAATTTACAA ATATATTTTG AATGATTTAC CAAGAGAGTT TATGTCATCC</p> <p>CAGGCAAAAAG CAGTTATTA AACTACTGAT GATTATTTGC AGTCTCAGTT TGGCCCCAAC</p> <p>AGACTCGTGC ATTCAGCAGC AGTATCAGAA GGGTCAGGAC TTCAAGATTG CTCCACACAT</p>

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Product Details

CAAACAGCAT CAGATCACAG CCATGATGAA ATATCAGACC TAGATAGCTA CAAATCAAAC
AGTAAAAACA ATTCTTGTTT TATATCAGCA TCCAAGAGAA ACAGACCTGT CAGTGCTCCA
GTGGGTCAAC TGAGGGTTGC AGAGTTCTCT TCTTTAAAAT TTCAGTCAGC CCGGAATTGG
CAGAAATTGT CTCAAAGACA CAAACTTCAA CCAAGAGTGA TTAAAGTAAC AGCTTACAAA
AATGGATCTA GAACAGTCTT TGCCAGAGTT ACTGTACCAA CCATCACCTT GCTGCTGGAG
GAGTGACACAG AAAAGCTGAA TCTGAACATG GCCGCAAGAC GAGTGTTCTT GGCAGACGGC
AAGGAAGCCC TCGAACCTGA AGATATACCC CATGAAGCCG ATGTTTATGT TTCAACGGGA
GAGCCCTTTT TAAATCCATT CAAAAAATT AAAGACCATC TGTTGTTAAT TAAGAAAGTA
ACTTGACAAA TGAATGGGTT GATGCTTCCT ACTGATATCA AAAGACGGAA AACCAAGCCT
GTTCTTTCTA TTAGAATGAA GAACTTACT GAGAGGACCT CAGTCCGAAT TCTGTTCTTT
AAGAATGGCA TGGGGCAGGA TGGGCATGAG ATTACAGTGG GAAAAGAAAC AATGAAAAAG
GTTTATAGATA CTTGTACAAT AAGAATGAAT CTAAATTTAC CAGCCAGATA TTTTATGAT
TTGTATGGCA GAAAAATTGA AGATATTTCA AAAGGAAAGC ACTGA

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer:

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene: DCDC1

Alternative Name: DCDC1 ([DCDC1 Products](#))

Background: This gene encodes a member of the doublecortin family. The protein encoded by this gene is a hydrophilic, intracellular protein. It contains a single doublecortin domain and is unable to bind microtubules and to regulate microtubule polymerization. This gene is mainly expressed in adult testis. It does not have a mouse homolog. [provided by RefSeq, Sep 2010].

Gene ID: 341019

NCBI Accession: [NM_181807](#)

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Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)